



2870 Gateway Oaks Drive, Suite 150
Sacramento, CA 95833

Job Name: Muscoy OU Remedial Action
WA No.: 016-RARA-09J5
Project Location: San Bernardino, CA
URS Project No.: 18600069.01030

MUSCOY 19th STREET PLANT/ENCANTO PARK TECHNICAL MEETING MINUTES

Date: 12/14/05
Time From: 1030 - 1700

U.S. Environmental Protection Agency, Region IX
75 Hawthorne Street
San Francisco, CA 94105
Contract No. 68-W-98-225

Meeting Attendees:

- ☐ Kim Hoang/USEPA;
- ☐ Dennis Bane/URS; Dwayne Deutscher/URS; Adam Harvey/URS; Nick Reylek/URS
- ☐ Stacey Aldstadt/SBMWD (morning only); Robin Ohama/SBMWD; Bill Bryden/SBMWD; Mike Lowe/SBMWD (morning only); Lana Kennerly/SBMWD; Dave Solomona /SBMWD (afternoon only)
- ☐ Mark Eisen/Secor
- ☐ Bob Kemmerle/E2

Meeting Topics: (Note, in order to accommodate schedules of various attendees, the order of topics varied from that in the agenda. However, in order to maintain the standard meeting minute format established historically and to match the agenda, the following notes maintain the standard agenda format and order. In other words, the topics presented in these meeting minutes are not in the actual order they were discussed in the meeting).

- ☐ Project Construction Status
 - Encanto Park Booster Pump Station
 - The SixCENSE instrument setup, incorporation into SCADA, testing, and operator training remains to be accomplished by URS and its subcontractors. The issue is that the power supply is not sufficient to allow a signal to be communicated in the longer cable provided by the manufacturer. The vendor and manufacturer are working on a technical solution. URS has a backup plan ready in case the solution is unsuccessful (use the shorter standard cable provided and mount a junction box on the inside wall of Encanto Park for the controller. Then route 4-20 mA cable from the junction box to the MCC in existing conduit).
 - The electrical final inspection will be conducted concurrent with the SixCENSE testing and training.
 - Treatment Plant
 - A list of items that are not completed were noted on Attachment A on 27 July 2005, as exceptions to the final inspection. All items are complete except for item 6 (West influent pressure transducer reading 10 psi high).
 - A monthly performance evaluation was conducted on 14 December 2005 by Adam Harvey and Nick Reylek/URS; Bob Kemmerle/E2; and Mike Lowe/SBMWD.
 - Extraction Wells
 - An Attachment A was generated listing the exceptions from the final inspection. Correction of these items is in progress by SBMWD.
 - Monitoring Wells
 - An Attachment A was generated listing the exceptions from the final inspection. Correction of these items is in progress by SBMWD.



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Date: 12/14/05
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Meeting Topics Continued:

□ Instrumentation/SCADA

- Treatment Plant –
 - Communication problem between RTUs corrected by URS. Nick noted that CAT 5, exterior cable was used to replace the communication cable.
 - Communication between the vessels and the pump room SCADA has been interrupted; two serial cards require replacement.
- Encanto Park –
 - URS is working with subcontractors to complete the installation of the Cl, pH, temperature and pressure probes.
 - Dave stated the Muni stop signal is working. Bob asked if this should be tested periodically. Bill said this is an operations issue and will be included in the SBMWD O&M Plan.
- Monitoring Wells –
 - Dave stated that he is 90% finished with new radio installation. They will be tested this week or next. This should improve data flow to Operations and should be completed first quarter 2006.

□ Extraction Well Status

- EW-110 providing only 2,200 gpm. SBMWD is working with Center Lift to identify the cause. SBMWD will issue a report on the issue.
- EW-109 sump is 100% full of fines as observed in the video log per Dennis Bane. The well is either still developing or the well was never properly developed. SBMWD will develop a report for this well.
- EW-111 has low flow deep. URS will evaluate the spinner tests prior to and after backfilling.
- Camera tubes had a lot of mud in them.
- Video log was performed on Darby well. IT has an air line in it and has riveted pipe, some of which is damaged.

□ Project Issues/Schedules

- URS is proceeding with the Colima well abandonment and replacement. The project will go out to bid with bids received back in early January. Bill would like to see the bids.
- SBMWD will send out a deliverable status for their documents.
- The procedure for distribution and review of deliverables was discussed. A Draft will go to EPA, SBMWD, and E2 for 30 days, followed by a draft final to DTSC for 15 days. A final will go out to a distribution list. This list was discussed but not finalized.
- URS will distribute the Final Phase I Pipeline, Phase II Pipeline, and Undercrossing Construction Inspection reports to EPA, SBMWD, and E2, but will not distribute to the entire distribution group until the RA Report.

□ One-Year Operations

- The monthly report format was discussed. Kim desires to combine the capture and operations report into a single report. The format of the report should follow the SBMWD Progress Reports. Adam will prepare a monthly status report draft for August and will discuss it with Kim. Kim can come to Sacramento to discuss anytime. Adam will work with Lana to get the data as needed.
- Kim prepared a spreadsheet to track items of importance. This will be included in the monthly reports. URS will update it and send to Kim for review.
- The goal of the report is to show compliance with the performance criteria.
- Kim will send her written notes to URS regarding ideas for the report.



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Meeting Topics Continued:

- Kim would like to have a monthly meeting to discuss operating conditions and analysis. This would include discussion whether flow changes are needed, trigger points, decision points, etc.
- The operations of the system should be discussed on the Monday calls. Discuss events, sampling, data expected, etc. The weekly reports will be modified by URS to include operations and monitoring.
- Roger will modify the capture analysis report table to "bgs" (below ground surface).
- SBMWD (Dave) will produce a top-down SCADA summary report and send to URS. This will be incorporated into the monthly status report that URS produces.
- The spinner test report went out 8 December. URS needs comments back to plan zone sampling. Mark will discuss on Monday, 19 December call. Bill requested a spinner test report in PDF format.
- Roger will send out tentative sample depths (bgs).
- Warranty issues were discussed. Adam will send out the warranty spreadsheet to the team. Dennis requested that the city notify team if modifications are made since this may affect manufacturer warranties. Dwayne confirmed that URS will pursue warranty issues with due diligence. If contractor says not covered by warranty, URS will get in writing. Bill noted that low cost items (\$200-300) should just be fixed. Kim noted that if not a warranty issue then an item should be repaired under O&M costs, which the city has budget for. Bill agreed that if there is a problem it will be fixed. If the city believes it is a warranty issue, URS will be notified so that warranty repair can be pursued. Dwayne stated that URS will finish the Attachment A list and will provide a URS POC for the city for warranty issues.
- Quality Control Team
 - Bob will continue to participate in the monthly performance evaluations with URS and SBMWD.
 - Kim requested that Bob and Tom (hydrogeology) perform oversight of remaining project issues. This includes reviewing reports, reviewing data, attending a monthly operations meeting.
 - Kim noted that from her perspective, construction carries through to O&F (O&F is part of construction). With stringent deadlines, deliverables must be high quality from the beginning.
 - Dwayne noted that timely review of deliverables by all parties is critical to maintaining schedule.
 - Bill said to inform Lana when reviews are due and when comments are needed. She will track for city.
- Community Relations
 - The Lakes and Streams program for Muni was discussed. Any inquiries should be referred to EPA.
- Other
 - Kim will be out from 4 January until third week in January.
 - Stacey introduced Robin Ohama, the new Deputy General Manager of SBMWD.
 - It was discussed that the city may want to have the OSAP posted on its web page.
- Next Meeting
 - Next Technical meeting time is scheduled for 3 January 2006; 1:00 p.m.; in San Bernardino. The topic will be capture analysis.

The minutes of this meeting represent the writer's understanding of the events as discussed. Should an attendees understanding differ, please contact Adam Harvey at (916) 679-2002 or adam_harvey@urscorp.com. The minutes contained herein will stand if not corrected within ten (10) days of this writing.

